

Converting Colors

Yxy(34.3111, 0.3244, 0.4898)

Have a look what the booklet for
Yxy(34.3111, 0.3244, 0.4898)
contains.

Yxy(34.3033, 0.3244, 0.4898)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.3033, 0.3244, 0.4898)

Conversions

Conversions Part 1

Format	Color
Hex	6AAF50
RGB	106, 175, 80
RGB Percent	42%, 69%, 31%
CMY	0.5844, 0.3137, 0.6863
CMYK	0.39, 0.00, 0.54, 0.31
HSL	104°, 37%, 50%
HSV	104°, 54%, 69%
XYZ	22.7195, 34.3033, 13.0126
YIQ	143.5390, -10.6290, -44.1730

Conversions

Conversions Part 2

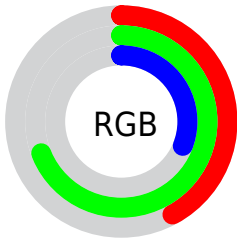
Format	Color
RYB	80, 175, 149
Decimal	6991696
CIELab	65.20, -39.71, 41.49
CIELCh	65, 57.428, 133.741
Yxy	34.3033, 0.3244, 0.4898
Android (android.graphics.Color)	4285181776 (0xFF6AAF50)
YUV	143.5390, -31.3247, -32.9217
Hunter-Lab	58.5690, -33.2540, 27.8256

Details

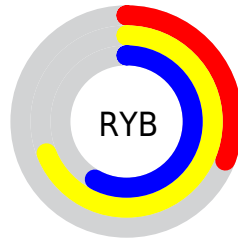
The Yxy color **34.3033, 0.3244, 0.4898** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **15.2253, 0.2857, 0.1891**, and the grayscale version is **27.8246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.3948, 0.3250, 0.4548**, and **14.7378, 0.3197, 0.5481** is the 20% darker color. If you saturate the color by 10%, you get **33.3569, 0.3239, 0.5205**, and if you desaturate by 10%, it is **35.4355, 0.3237, 0.4574**.

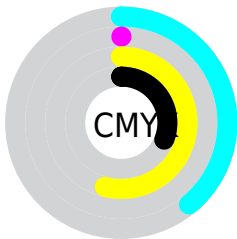
Distribution



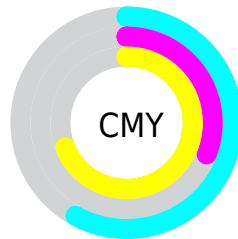
- Red (42%)
- Green (69%)
- Blue (31%)



- Red (31%)
- Yellow (69%)
- Blue (58%)



- Cyan (39%)
- Magenta (0%)
- Yellow (54%)
- Black (31%)





- Cyan (58%)
- Magenta (31%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.3033, 0.3244, 0.4898 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 34.3033, 0.3244, 0.4898 by changing the saturation by 10% instead.


 34.3033, 0.3244,
0.4898


 34.3033, 0.3244,
0.4898


321.4823, 0.3225,
0.4006


 23.1267, 0.3228,
0.5146


 66.4050, 0.3251,
0.4554


 14.6871, 0.3191,
0.5477


 88.0990, 0.3249,
0.4430


 8.6001, 0.3109,
0.5930


 114.0675, 0.3245,
0.4328

 4.4813, 0.3015,
0.6777

 144.6950, 0.3242,
0.4243

 1.9462, 0.2447,
0.7553

 180.3658, 0.3237,
0.4170

 0.5760, 0.0000,
1.0000

221.4644, 0.3233,

 0.0000, 0.0000,

0.4108

0.0000

268.3751, 0.3229,
0.4053

■ 34.3033, 0.3244,
0.4898

■ 34.3033, 0.3244,
0.4898

■ 33.3569, 0.3239,
0.5205

■ 35.4355, 0.3237,
0.4574

■ 32.5816, 0.3220,
0.5476

■ 36.7586, 0.3221,
0.4252

■ 31.9671, 0.3188,
0.5691

■ 38.2830, 0.3198,
0.3943

■ 31.5002, 0.3146,
0.5840

■ 40.0170, 0.3171,
0.3655

■ 31.2876, 0.3121,
0.5904

■ 41.9682, 0.3140,
0.3394

■ 44.1440, 0.3109,
0.3159

■ 46.5516, 0.3078,
0.2951

■ 49.1975, 0.3048,
0.2768

■ 52.0882, 0.3020,
0.2607

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.3033, 0.4055, 0.4806



34.3033, 0.3244, 0.4898



34.3033, 0.2446, 0.4304

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



34.3033, 0.3244, 0.4898



34.3033, 0.1729, 0.2095



34.3033, 0.4513, 0.3047

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



34.3033, 0.3244, 0.4898



15.2253, 0.2857, 0.1891

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



34.3033, 0.3701, 0.2511



34.3033, 0.3244, 0.4898



34.3033, 0.2113, 0.1983

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



34.3033, 0.3244, 0.4898



34.3033, 0.1646, 0.2529



34.3033, 0.2801, 0.2135



34.3033, 0.4871, 0.3662

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.3033, 0.3244, 0.4898



34.3033, 0.2033, 0.3657



34.3033, 0.2801, 0.2135



34.3033, 0.4278, 0.2856

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



34.3048, 0.3244, 0.4898



71.0139, 0.3176, 0.3710



30.9017, 0.4094, 0.4255



15.6414, 0.3182, 0.3767



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.3048, 0.3244, 0.4898



59.4579, 0.3236, 0.5258



33.2999, 0.2921, 0.4638



9.0414, 0.3156, 0.3521



22.4307, 0.3128, 0.5898



0.6513, 0.3366, 0.5710

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



15.2253, 0.2857, 0.1891



21.7146, 0.2774, 0.1624



17.1993, 0.3462, 0.2254



8.0363, 0.3096, 0.3063



5.4879, 0.2537, 0.1171



0.1779, 0.2751, 0.1289

Previews

White Background



This preview shows how the Yxy color 34.3033, 0.3244, 0.4898 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 34.3033, 0.3244, 0.4898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.3033, 0.3244, 0.4898

Background



This preview shows how black text looks on a background with the Yxy color 34.3033, 0.3244, 0.4898.



This preview shows how white text looks on a background with the Yxy color 34.3033, 0.3244, 0.4898.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

34.3033, 0.3244, 0.4898

Protanopia

33.9468, 0.4054, 0.4451

Deuteranopia

33.7073, 0.4202, 0.4122



Tritanopia

34.3356, 0.2668, 0.3088

Trichromacy



Original Color

34.3033, 0.3244, 0.4898



Protanomaly

33.4623, 0.3730, 0.4628



Deuteranomaly

33.0134, 0.3828, 0.4404



Tritanomaly

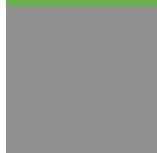
34.1108, 0.2892, 0.3736

Monochromacy



Original Color

34.3033, 0.3244, 0.4898



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

29.5690, 0.3188, 0.3867

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3033, 0.3244, 0.4898 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(106, 175, 80)` looks like.

```
.text, #text, p{  
    color:rgb(106, 175, 80)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(106, 175, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 175, 80) }
```

Border

The CSS property to change the border of an element to Yxy 34.3033, 0.3244, 0.4898 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 175, 80) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(106, 175, 80) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(106, 175, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 175, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 175, 80);  
box-shadow:4px 4px 4px 4px rgb(106, 175,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3033, 0.3244, 0.4898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 175, 80) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(106,  
175, 80) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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